

INITIAL PREPARATION 3-7 DAYS BEFORE FL

DATE (LOCAL): 7/12/2010 PUMP CURRENT: 90.44 30 MINUTES HI O₃ (v)
INITIALS: WTC PUMP PRESSURE: 711 5 MINUTE NO O₃ (v)
PUMP NUMBER: 229268 PUMP VACUUM: 21

ADD 3.0 CC CATHODE SOLUTION: (v) Short the cell leads: (v)
WAIT 2 MINUTES: (v) Add about 2.5 CC more Cathode Solution (2Z) (v)
ADD 1.5 CC ANODE SOLUTION: (v) Place Instrument inside plastic bag: (v)
RUN 20 MINUTES ON NO O₃ (v) Store inside Styrofoam flight box: (v)
Record the current after the 20 MINUTES ON NO O₃: = 0.463 μ amps

FLIGHT PREPARATION IN LAB.

DATE (LOCAL): 7/31/2010 **DRY T100**
INITIALS: WTC #1: 27.69
Cathode solution date written on bottle: 10/14/2009 #2: 27.43
CHANGE CATHODE SOLUTION (3cc): (v) #3: 27.84
CHANGE ANODE SOLUTION (1.5cc): (v) (Yes/No) DRY AVG: 27.72
RUN ON NO O₃ FOR 5 MINUTES: (v) #1: 28.05
RECORD THE NO O₃ BACKGRND#1: **BG1**= 0.032 μ amps #2: 27.95
RUN ON 5 microamps of O₃ for 10 Minutes: (v) #3: 28.41
WET T100
AVERAGE T100: 29.00 WET AVG: 28.14

RESPONSE TIME

SWITCH TO NO O₃ AIR.

RECORD: THE TIME TO DROP FROM 4 TO 1.5 μ amps: 22.80 sec.

RECORD: ROOM TEMP (C) 24 ROOM REL. HUMID. (%) 45

RECORD: 5 - T100 FLOWRATE TIMES:

*T100 Flowrate correction. 1.51 %

DAY OF FLIGHT @ THE LAUNCH SITE.

FLIGHT NUMBER: H4634
GMT DATE: 7/31/2010 LOCAL DATE: 7/31/2010
GMT LAUNCH TIME: _____ LOCAL TIME: _____

BALLOON TYPE 1000 Gram: Kaymont (v) Scientific Sales _____ (none)

O₃ BACKGROUND (μ amps from F9 key): _____

VAISALA NUMBER (9 digit): 22911943 SKY CONDITIONS: Partly Cloudy
SURFACE PRESSURE: _____ HUMID
SURFACE TEMP. (C): _____
SURFACE HUMIDITY: _____ ~ BURST PRESSURE (mb): _____
Alt: 34.58

REMARKS: _____

weighoff = _____ grams

*T100 flow corr (%) = [(WET/DRY)-1.0] X 100